

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 10, 2006

Inspector: Diana Walden, Lee Curtis

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Between 0.03-0.28" of rain was recorded over 5/9-5/10 as reported by NOAA and based on location

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- Hoyts Hill: Access is gained off Hoyts Hill Road. Sediment tracking was not observed on the roadway. 5/10/06.	-None at this time. Active work has returned but the area remains well contained. 5/10/06.	-N/A.
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 5/10/06.	-Crossings and controls are in good shape with the exception of attention needed near the 1 st wetland. See other sections 5/10/06.	-Needs attention
	-Slopes remain disturbed along the access road where 345kV trenching occurred. 4/26-5/10/06	-The area should be restored after vault access and work here is complete. 5/4-5/10/06	- Needs attention when work is complete
	- Minor sedimentation was also noted through the stone wall from the access drive. 5/4-5/10/06	- Silt fence is down here. Minor amounts of silt are filtering through but are not impacting the wetland. Continue to monitor 5/4-5/10/06	- N/A at this time
	- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 2/16-5/4/06.	-Continue to monitor Rt. 7 at the main access pad. 5/4/06.	-N/A
Foundation construction	- At Hoyts Hill: A small area of 345kV XLPE excavation remains at the base of the slope.	-Work will return eventually to continue the trench into Rt.58 5/10/06.	-N/A

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	<p>5/10/06.</p> <ul style="list-style-type: none"> - The excavation for grounding was complete and the adjacent areas were not disturbed. 5/10/06 - Active work continues on the pad as structures were being installed. 5/4-5/10/06 -At Archers Lane, structure and foundation work continues within the station pad. 3/29-5/10/06 -At Norwalk Junction: Work continues on the structures in the station pad including several large excavations. 3/15-5/10/06. 	<ul style="list-style-type: none"> - None at this time. See erosion control section. 5/10/06 - None at this time. The area is contained. 5/10/06 -None at this time. The area is contained. 5/10/06 - None at this time, the area is well contained. See erosion control section for more information. 5/10/06. 	<ul style="list-style-type: none"> - N/A. -N/A -N/A - N/A
Erosion and Sediment Controls	<ul style="list-style-type: none"> -Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-5/10/06. - The tracks in the EC blankets along the northern slope were repaired. 5/10/06. -The larger erosive gully along the southern slope was filled in and restored. 5/10/06. - Archers Lane: Sediment removal efforts are still needed at the 1st wetland as accumulation increased with recent rains. 4/26-5/10/06. 	<ul style="list-style-type: none"> -Monitor and maintain the fence as necessary. 4/6-5/10/06 - The EC mats were repaired and adjacent areas were restored. 5/10/06 -Continue to monitor for stabilization along this slope. A few small rills remain. 5/10/06. -Any easily accessible deposits of sediment need to be removed. (Some are over 6") Fine layers of silt can remain. Controls also need to be cleaned up. 4/6-5/10/06 	<ul style="list-style-type: none"> - N/A - Contractors repaired the mats. - The gully was filled in and repaired - Still needs attention

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Erosion and Sediment Controls continued	-Minor sedimentation was noted through the stone wall on the access drive. Silt fence was down here. 5/4-5/10/06	- Consider repairing silt fence but sediment amounts are very minor and wetlands are not impacted. 5/10/06	- Needs attention if feasible
	-Restoration efforts will be necessary along the disturbed slopes of the access road. 4/26-5/10/06 - Silt fence was also working within the ROW along the access road, keeping sediment and run-off from the wetland. 5/4-5/10/06	5/4-5/10/06 - AL contractors will likely need to perform restoration when work is complete here. 5/4-5/10/06 - Monitor silt fence here. Determine if more coverage is necessary due to the adjacent cleared area. 5/4-5/10/06	- Needs attention - N/A at this time.
	- Norwalk Junction: Haybales are no longer in place along the perimeter chain link fence but they are not necessary as the perimeter silt fence was completely restored and remains in good shape. 5/10/06.	- The haybales could be repaired as an additional control but are not as essential as having the silt fence in place 4/26-5/10/06.	-N/A at this time
	-The old culvert near the silt fence and the river was observed. It was partially buried. 5/4-5/10/06. -The wetland area outside the silt fence adjacent to the river contained pooled turbid water. 4/26-5/10/06. - The swale slops were in good shape. 5/10/06. -Dewatering outfalls appeared to be fairly clear at the time. Haybales in the swale were helping to filter. 5/10/06	- The culvert connection should be cut completely if feasible or continue to bury it. It appears to wash out below the soil surface 5/10/06. - This area receives direct runoff from the site through the swale making water quality important. 1/19-5/10/06 -None at this time. Continue to monitor. 5/10/06. -None at this time. Continue to monitor. 5/10/06.	- The culvert was partially buried. Still needs attention - N/A - EC mat was extended and the washouts repaired. - Controls were filtering water well.

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	- Additional silt fence was also noted at the base of a stockpile internal to the site. 5/4-5/10/06	- None at this time. 5/10/06	- Silt fence was installed proactively
Inland Wetland and Watercourse encroachment and mitigation	<p>- Hoyts Hill: The wetland remains well protected at this time. 4/6-5/10/06.</p> <p>- Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts are needed to remove deposited sediment from the 1st wetland crossing. 5/10/06.</p> <p>- Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Turbid water is present here in the wetlands but has not had a significant impact on the river. 12/30-5/10/06.</p>	<p>-Continue to monitor this area until slopes have stabilized completely . 5/10/06.</p> <p>- Continue to remove the sediment from the wetland where there are significant buildups. Several inches of sediment were noted. 2/16-5/10/06.</p> <p>-See Erosion Control Section for more details. Reduce turbidity by controlling its source-disturbed surfaces on site. 12/30-5/10/06.</p> <p>- Revegetation was noted adjacent to the silt fence and river 5/10/06</p>	<p>- N/A.</p> <p>- Still needs attention</p> <p>-N/A at this time</p> <p>- Restoration was noted</p>
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Hoyts Hill: The southern slope gully was repaired and restored. Grass growth continued along the northern slope. 5/10/06.</p> <p>- Archers Lane: no additional clearing was noted here. 5/10/06.</p> <p>- Norwalk Junction: -Restoration efforts were noted in the area between the silt fence and the river. 5/10/06.</p>	<p>- Continue to monitor both slopes for final stabilization. Determine whether additional seed will be necessary on the southern slope. 5/10/06.</p> <p>-None at this time. 5/10/06.</p> <p>- Vegetative growth was already noted. Continue to monitor and restore perimeter surfaces. 5/10/06.</p>	<p>-The southern slope gully was repaired</p> <p>-N/A.</p> <p>-The area near the river was restored.</p>

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Dewatering Hoyts Hill Archers Lane Norwalk Junction	-Dewatering was no longer noted here. Controls are still well in place. 4/6-5/10/06. - Dewatering was not necessary at the time for the excavation. Haybales remain installed across the swale. 4/6-5/10/06 -Dewatering was still occurring to some degree but outflows were clear and additional controls (haybales) were in place to help filter. 5/4-5/10/06.	-None at this time. See erosion control section. 5/10/06. - None at this time. 5/10/06. -Continue to monitor and add controls as needed. 5/10/06.	-N/A -N/A - Dewatering was being handled well
Blasting	- All blasting is complete at this time. 5/10/06	- None at this time.	-N/A
Soils	- Soil remains at the Archers Lane site from excavations but it is well contained. 5/10/06 - A number of soil stockpiles remain at Norwalk Junction as excavation continues. Large stockpiles have silt fence installed at the base. 5/10/06.	- None at this time 5/10/06. - Stockpiles remain contained. See erosion control section. 5/10/06.	-N/A -N/A
Spills and Material Storage	-No spills or leaks were noted at the time of inspection. 5/10/06 - A concrete deposit was noted on the ground near the perimeter silt fence. Designate a contained area to wash out extra concrete. 5/10/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.	-N/A at this time
Additional Observations	- The overhead line was installed between Norwalk Junction and the structure off Arrowhead		

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	Rd.		

Next likely scheduled inspection:

Wednesday May 17, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



Hoyts Hill Transition Station: Photo on the left shows the restored northern slope. Contractors repaired the tracks they made in the EC mats. Photo on the right shows where the grounding work was backfilled with no disturbance to the adjacent area. 5/10/06



Photo shows where the largest gully on the southern slope was filled in and restored. Continue to monitor for stabilization along this slope. 5/10/06.



Archers Lane: Photo on the left shows a view of the station pad with structures being installed. Photo on the right shows the stone wall along the access drive. Minor amounts of water and sediment were filtering through here but it was not impacting the wetland. 5/10/06.



Photo on the left shows the view of the station from the ROW. Photo on the right shows the 1st wetland crossing near the station. Sediment still needs to be removed carefully by hand where obvious deposits have built up. Some spots have 6" or more of accumulated silt from the access drive. 5/10/06.



Norwalk Junction: Photo on the left shows the recently restored slope of the swale. EC matting remains in good shape. Photo on the right shows minor dewatering with haybales in place to filter out sediment prior to going to the wetland. 5/10/06.



Photo on the left shows the well restored perimeter silt fence along the river. The area between the fence and the river was restored with seed and vegetative growth has started. Photo on the right shows a view of some of the ongoing foundation work within the yard. 5/10/06.